1600

RAW SEQUENCE LISTING   DATE: 05/14/2001
PATENT APPLICATION: US/09/610,134   TIME: 10:16:48

Input Set : **A:\5538-1010seqlisting.txt**
Output Set: **N:\CRF3\05142001\I610134.raw**

```
 3  <110> APPLICANT: Eric Potter Clarkson
 5  <120> TITLE OF INVENTION: Methods and compositions for desensitisation
 7  <130> FILE REFERENCE: 5538/1010
 9  <140> CURRENT APPLICATION NUMBER: US 09/610,134
```
```
C--> 10  <141> CURRENT FILING DATE: 2000-05-07
```
```
12  <150> PRIOR APPLICATION NUMBER: PCT/GB99/00080
13  <151> PRIOR FILING DATE  1999-01-11
15  <150> PRIOR APPLICATION NUMBER: GB/9800445.0
16  <151> PRIOR FILING DATE  1998-01-09
18  <150> PRIOR APPLICATION NUMBER: GB/9820474.6
19  <151> PRIOR FILING DATE  1998-09-21
21  <160> NUMBER OF SEQ ID NOS: 124
23  <170> SOFTWARE: PatentIn version 3.0
25  <210> SEQ ID NO: 1
26  <211> LENGTH: 17
27  <212> TYPE: PRT
28  <213> ORGANISM: Felis catus
30  <400> SEQUENCE: 1
32  Leu Phe Leu Thr Gly Thr Pro Asp Glu Tyr Val Glu Gln Val Ala Gln
33  1               5                   10                  15
35  Tyr
38  <210> SEQ ID NO: 2
39  <211> LENGTH  16
40  <212> TYPE: PRT
41  <213> ORGANISM: Felis catus
43  <400> SEQUENCE: 2
45  Glu Gln Val Ala Gln Tyr Lys Ala Leu Pro Val Val Leu Glu Asn Ala
46  1               5                   10                  15
48  <210> SEQ ID NO: 3
49  <211> LENGTH  17
50  <212> TYPE: PRT
51  <213> ORGANISM: Felis catus
53  <400> SEQUENCE: 3
55  Lys Ala Leu Pro Val Val Leu Glu Asn Ala Arg Ile Leu Lys Asn Cys
56  1               5                   10                  15
58  Val
61  <210> SEQ ID NO: 4
62  <211> LENGTH: 70
63  <212> TYPE: PRT
64  <213> ORGANISM: Felis catus
66  <400> SEQUENCE: 4
68  Glu Ile Cys Pro Ala Val Lys Asp Arg Val Asp Leu Phe Leu Thr Gly
69  1               5
```

RAW SEQUENCE LISTING   DATE: 05/14/2001
PATENT APPLICATION: US/09/610,134   TIME: 10:16:48

Input Set : A:\5538-1010seqlisting.txt
Output Set: N:\CRF3\05142001\I610134.raw

```
77 Met Thr Glu Glu Asp Lys Glu Asn Ala Leu Ser Leu Leu Asp Lys Ile
78      50              55              60
80 Tyr Thr Ser Pro Leu Cys
81 65              70
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 92
85 <212> TYPE: PRT
86 <213> ORGANISM  Felis catus
88 <400> SEQUENCE  5
90 Val Lys Met Ala Glu Thr Cys Pro Ile Phe Tyr Asp Val Phe Phe Ala
91 1           5               10              15
93 Val Ala Asn Gly Asn Glu Leu Leu Leu Lys Leu Ser Leu Thr Lys Val
94           20              25              30
96 Asn Ala Thr Glu Pro Glu Arg Thr Ala Met Lys Lys Ile Gln Asp Cys
97           35              40              45
99 Tyr Val Glu Asn Gly Leu Ile Ser Arg Val Leu Asp Gly Leu Val Met
100      50              55              60
102 Thr Thr Ile Ser Ser Ser Lys Asp Cys Met Gly Glu Ala Val Gln Asn
104 65              70              75              80
105 Thr Val Glu Asp Leu Lys Leu Asn Thr Leu Gly Arg
106           85              90
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 17
110 <212> TYPE: PRT
111 <213> ORGANISM: Felis catus
113 <400> SEQUENCE: 6
115 Glu Ile Cys Pro Ala Val Lys Arg Asp Val Asp Leu Phe Leu Thr Gly
116 1           5               10              15
118 Thr
121 <210> SEQ ID NO: 7
122 <211> LENGTH: 17
123 <212> TYPE: PRT
124 <213> ORGANISM: Felis catus
126 <400> SEQUENCE: 7
128 Arg Ile Leu Lys Asn Cys Val Asp Ala Lys Met Thr Glu Glu Asp Lys
129 1           5               10              15
131 Glu
134 <210> SEQ ID NO: 8
135 <211> LENGTH: 16
136 <212> TYPE: PRT
137 <213> ORGANISM  Felis catus
139 <400> SEQUENCE  8
141 Lys Met Thr Glu Glu Asp Lys Glu Asn Ala Leu Ser Leu Leu Asp Lys
142 1           5               10              15
144 <210> SEQ ID NO: 9
145 <211> LENGTH: 16
146 <212> TYPE: PRT
147 <213> ORGANISM  F...
```

RAW SEQUENCE LISTING   DATE: 05/14/2001
PATENT APPLICATION: US/09/610,134   TIME: 10:16:48

Input Set : A:\5538-1010seqlisting.txt
Output Set: N:\CRF3\05142001\I610134.raw

```
151 Lys Glu Asn Ala Leu Ser Val Leu Asp Lys Ile Tyr Thr Ser Pro Leu
152 1               5                   10                  15
154 <210> SEQ ID NO: 10
155 <211> LENGTH: 16   ·
156 <212> TYPE: PRT
157 <213> ORGANISM: Felis catus
159 <400> SEQUENCE: 10
161 Val Lys Met Ala Glu Thr Cys Pro Ile Phe Tyr Asp Val Phe Phe Ala
162 1               5                   10                  15
164 <210> SEQ ID NO: 11
165 <211> LENGTH: 17
166 <212> TYPE: PRT
167 <213> ORGANISM: Felis catus
169 <400> SEQUENCE 11
171 Cys Pro Ile Phe Tyr Asp Val Phe Phe Ala Val Ala Asn Gly Asn Glu
172 1               5                   10                  15
174 Leu
177 <210> SEQ ID NO: 12
178 <211> LENGTH  16
179 <212> TYPE: PRT
180 <213> ORGANISM  Felis catus
182 <400> SEQUENCE  12
184 Gly Asn Glu Leu Leu Leu Lys Leu Ser Leu Thr Lys Val Asn Ala Thr
185 1               5                   10                  15
187 <210> SEQ ID NO: 13
188 <211> LENGTH  16
189 <212> TYPE: PRT
190 <213> ORGANISM  Felis catus
192 <400> SEQUENCE  13
194 Leu Thr Lys Val Asn Ala Thr Glu Pro Glu Arg Thr Ala Met Lys Lys
195 1               5                   10                  15
197 <210> SEQ ID NO: 14
198 <211> LENGTH: 16
199 <212> TYPE: PRT
200 <213> ORGANISM: Felis catus
202 <400> SEQUENCE: 14
204 Thr Ala Met Lys Lys Ile Gln Asp Cys Tyr Val Glu Asn Gly Leu Ile
205 1               5                   10                  15
207 <210> SEQ ID NO: 15
208 <211> LENGTH: 16
209 <212> TYPE: PRT
210 <213> ORGANISM: Felis catus
212 <400> SEQUENCE: 15
214 Cys Tyr Val Glu Asn Gly Leu Ile Ser Arg Val Leu Asp Gly Leu Val
215 1               5                   10                  15
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 16
219 <212> TYPE: PRT
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/610,134

DATE: 05/14/2001
TIME: 10:16:48

Input Set : A:\5538-1010seqlisting.txt
Output Set: N:\CRF3\05142001\I610134.raw

```
222  <400> SEQUENCE: 16
224  Ser Arg Val Leu Asp Gly Leu Val Met Thr Thr Ile Ser Ser Ser Lys
225  1               5                   10                  15
227  <210> SEQ ID NO: 17
228  <211> LENGTH: 16
229  <212> TYPE: PRT
230  <213> ORGANISM: Felis catus
232  <400> SEQUENCE: 17
234  Ile Ser Ser Ser Lys Asp Cys Met Gly Glu Ala Val Gln Asn Thr Val
235  1               5                   10                  15
237  <210> SEQ ID NO: 18
238  <211> LENGTH: 16
239  <212> TYPE: PRT
240  <213> ORGANISM: Felis catus
242  <400> SEQUENCE: 18
244  Ala Val Gln Asn Thr Val Glu Asp Leu Lys Leu Asn Thr Leu Gly Arg
245  1               5                   10                  15
247  <210> SEQ ID NO: 19
248  <211> LENGTH: 320
249  <212> TYPE: PRT
250  <213> ORGANISM: Dermatophagoides pteronyssinus
252  <400> SEQUENCE: 19
254  Met Lys Ile Val Leu Ala Ile Ala Ser Leu Leu Ala Leu Ser Ala Val
255  1               5                   10                  15
257  Tyr Ala Arg Pro Ser Ser Ile Lys Thr Phe Glu Glu Tyr Lys Lys Ala
258              20                  25                  30
260  Phe Asn Lys Ser Tyr Ala Thr Phe Glu Asp Glu Glu Ala Ala Arg Lys
261              35                  40                  45
263  Asn Phe Leu Glu Ser Val Lys Tyr Val Gln Ser Asn Gly Gly Ala Ile
264          50                  55                  60
266  Asn His Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Phe Leu
267  65                  70                  75                  80
269  Met Ser Ala Glu Ala Phe Glu His Leu Lys Thr Gln Phe Asp Leu Asn
270              85                  90                  95
272  Ala Glu Thr Asn Ala Cys Ser Ile Asn Gly Asn Ala Pro Ala Glu Ile
273              100                 105                 110
275  Asp Leu Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly
276              115                 120                 125
278  Cys Gly Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala
279          130                 135                 140
281  Tyr Leu Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu
282  145                 150                 155                 160
284  Val Asp Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg
285              165                 170                 175
287  Gly Ile Glu Tyr Ile Gln His Asn Gly Val Val Gln Glu Ser Tyr Tyr
288              180                 185                 190
290  Arg Tyr Val Ala Arg Glu Gln Ser Cys Arg Arg Pro Asn Ala Gln Arg
```

RAW SEQUENCE LISTING   DATE: 05/14/2001
PATENT APPLICATION: US/09/610,134   TIME   10:16:48

Input Set : A:\5538-1010seqlisting.txt
Output Set: N:\CRF3\05142001\I610134.raw

```
294      210                    215                    220
296 Ile Arg Glu Ala Leu Ala Gln Thr His Ser Ala Ile Ala Val Ile Ile
297 225                    230                    235                    240
299 Gly Ile Lys Asp Leu Asp Ala Phe Arg His Tyr Asp Gly Arg Thr Ile
300                    245                    250                    255
302 Ile Gln Arg Asp Asn Gly Tyr Gln Pro Asn Tyr His Ala Val Asn Ile
303                    260                    265                    270
305 Val Gly Tyr Ser Asn Ala Gln Gly Val Asp Tyr Trp Ile Val Arg Asn
306                    275                    280                    285
308 Ser Trp Asp Thr Asn Trp Gly Asp Asn Gly Tyr Gly Tyr Phe Ala Ala
309                    290                    295                    300
311 Asn Ile Asp Leu Met Met Ile Glu Glu Tyr Pro Tyr Val Val Ile Leu
312 305                    310                    315                    320
314 <210> SEQ ID NO: 20
315 <211> LENGTH: 146
316 <212> TYPE: PRT
317 <213> ORGANISM: Dermatophagoides pteronyssinus
319 <400> SEQUENCE: 20
321 Met Met Tyr Lys Ile Leu Cys Leu Ser Leu Leu Val Ala Ala Val Ala
323 1                  5                    10                    15
324 Arg Asp Gln Val Asp Val Lys Asp Cys Ala Asn His Glu Ile Lys Lys
325                    20                    25                    30
327 Val Leu Val Pro Gly Cys His Gly Ser Glu Pro Cys Ile Ile His Arg
328                    35                    40                    45
330 Gly Lys Pro Phe Gln Leu Glu Ala Val Phe Glu Ala Asn Gln Asn Thr
331         50                    55                    60
333 Lys Thr Ala Lys Ile Glu Ile Lys Ala Ser Ile Asp Gly Leu Glu Val
334 65                    70                    75                    80
336 Asp Val Pro Gly Ile Asp Pro Asn Ala Cys His Tyr Met Lys Cys Pro
337                    85                    90                    95
339 Leu Val Lys Gly Gln Gln Tyr Asp Ile Lys Tyr Thr Trp Asn Val Pro
340                    100                    105                    110
342 Lys Ile Ala Pro Lys Ser Glu Asn Val Val Val Thr Val Lys Val Met
343         115                    120                    125
345 Gly Asp Asp Gly Val Leu Ala Cys Ala Ile Ala Thr His Ala Lys Ile
346         130                    135                    140
347 Arg Asp
348 145
351 <210> SEQ ID NO: 21
352 <211> LENGTH: 261
353 <212> TYPE: PRT
354 <213> ORGANISM: Dermatophagoides pteronyssinus
356 <400> SEQUENCE: 21
358 Met Ile Ile Tyr Asn Ile Leu Ile Val Leu Leu Leu Ala Ile Asn Thr
359 1                  5                    10                    15
361 Leu Ala Asn Pro Ile Leu Pro Ala Ser Pro Asn Ala Thr Ile Val Gly
362                    20                    25                    30
363 ...
```

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY   DATE: 05/14/2001
PATENT APPLICATION: **US/09/610,134**   TIME: 10:16 49

Input Set : **A:\5538-1010seqlisting.txt**
Output Set: **N:\CRF3\05142001\I610134.raw**

```
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:421 M 258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22
L:421 M:341 W  (46) "n" or "Xaa" used, for SEQ ID#:22
L:473 M 258 W. Mandatory Feature missing, <222> not found for SEQ ID#:24
L 473 M 341 W  (46) "n" or "Xaa" used, for SEQ ID#:24
L 1280 M.258 W: Mandatory Feature missing, <222> not found for SEQ ID# 43
L 1280 M 341 W: (46) "n" or "Xaa" used, for SEQ ID# 43
L 3610 M 258 W: Mandatory Feature missing, <222> not found for SEQ ID#.91
L:3610 M 341 W. (46) "n" or "Xaa" used, for SEQ ID# 91
L 3613 M.258 W: Mandatory Feature missing, <222> not found for SEQ ID# 91
L 3613 M 341 W  (46) "n" or "Xaa" used, for SEQ ID# 91
L 3634 M 258 W: Mandatory Feature missing, <222> not found for SEQ ID# 92
L 3634 M 341 W: (46) "n" or "Xaa" used, for SEQ ID# 92
L.4955 M 258 W: Mandatory Feature missing, <222> not found for SEQ ID# 112
L 4955 M 341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
L:4958 M.258 W: Mandatory Feature missing, <222> not found for SEQ ID#:112
L:4958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112
```